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(54) Title: COMPOSITIONS AND METHODS FOR EVALUATING AND DESIGNING NUCLEAR RECEPTOR LIGANDS THAT MODULATE CO-REGULATOR AFFINITY

(57) Abstract: Isolated corepressor peptides derived from a nuclear receptor interacting motif of corepressor Nuclear Receptor Corepressor (NCoR) or Silencing Mediator of Retinoid and Thyroid receptors (SMRT) are provided which binds to nuclear receptor ligand binding domains. Methods of using these peptides to evaluating selectivity of a ligand for a nuclear receptor subtype and quantitatively profiling selectivity of a test compound for a nuclear receptor are also provided.

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